Panasonic



42-inch Class Weatherproof LCD Display

TH-42LFP30W

■ Product specification (design and specification subject to change without notice) ■DISPLAY PANEL

Screen Size (Diagonal)	42.0-inch (1067 mm)	
Aspect ratio	16:9	
Effective Display Area (W x H)	36.6" x 20.6" (930 x 523 mm)	
Number of pixels (H x V)	1920 x 1080 pixels	
Brightness (in dark room)	750 cd/m² (Typ)	
(in daylight*1)	1000 cd/m (Max)	
Contrast Ratio	1000:1	
Response Time	9 ms (G to G)	
Viewing Angle (Horizontal/Vertical)	178° /178°	
Operating Life	approx. 50,000 hours*2	
*1 Measured under ambient lighting of app	roximately 80,000 lx. LFP30 series are not allwoed to	be installed with facing direct sunlight on the pane
*2 An approximate time until the panel brig	htness decreases to half of its original value.	-
CONNECTION TERMINAL		
VIDEO IN	BNC x 1	1.0 Vp-p (75Ω)
AUDIO IN(L/R)	RCA Pin jack x 1 set	0.5 Vrms
COMPONENT/RGB IN	BNC x 3	G/Y : with sync 1.0 Vp-p (75Ω)
		B/P _B /C _B : 0.7 Vp-p (75Ω)
		R/P _R /C _R : 0.7 Vp-p (75Ω)
AUDIO IN(L/R)	RCA Pin jack x 1 set	0.5 Vrms
HDMI IN	HDMI TYPE A x 2	
DVI-D IN	DVI-D 24pin x 1	Compliance with DVI Revision 1.0
	Content Protection	Compatible with HDCP 1.1
AUDIO IN(L/R)	Stereo mini jack (M3) × 1	0.5 Vrms (Shared with PC IN)
PC IN	Mini D-sub 15 Pin	G : with sync 1.0 Vp-p (75Ω)
		: without sync 0.7 Vp-p (75Ω)
		B : 0.7 Vp-p (75Ω)
		R : 0.7 Vp-p (75Ω)
		HD/VD: 1.0 - 5.0 Vp-p (high impedance
AUDIO IN(L/R)	Stereo mini jack (M3) × 1	0.5 Vrms (Shared with DVI-D IN)
SERIAL	D-sub 9 Pin x 1 (EXTERNAL CONTROL TERMINA	L), RS-232C compatible
ELECTRICAL		
Power Requirements	110-127V AC, 50Hz/60Hz	
Rated Power Consumption	250W	
On Mode Average Power Consumption*3	approx. 170W	
Power off condition	0.1W	
Stand-by condition (Winter mode : Off)	Save On 0.1W, Save Off 0.2W	
(Winter mode : On)	Backlight On 80W, Backlight Off 40W	
*3 Based on IEC 62087 Ed.2 measurement		
AUDIO	nethod.	
Speaker out	8Ω, 10W [5W + 5W] (10%THD)	
-		
MECHANICAL		
Dimensions (W x H x D)	41.3" x 25.3" x 6.3" (1049 x 642 x 158 mm)	
Carton Dimensions (W x H x D)	47.2" x 29.4" x 12.1" (1199 x 745 x 305 mm)	
Weight	approx. 83.8 lbs. (38.0 kg)	
Gross weight	approx. 101.4 lbs. (46.0 kg)	
Bezel Width	1.3" (32 mm)	
Cabinet Material / Color	Aluminum / Silver	
VESA mount	VESA 15.8" x 15.8" (400 x 400 mm)	
ENVIRONMENTAL		
Operating environment	Temperature : $32^{\circ}F$ to $104^{\circ}F$ ($0^{\circ}C$ to $40^{\circ}C$),	Winter mode: -4°F to 104°F (-20°C to 40°C)
	Humidity : 20% to 90%	
Storage environment	Temperature : -4° F to 140° F (-20° C to 60° C)	
<u> </u>	Humidity : 10% to 90%	
REMOTE CONTROL TRANSMITTER		
Power Requirements Weight	DC 3V (2 x AA Size batteries) approx. 3.5 oz (100g) including batteries	

- Operating instruction book - CD-ROM (operating instruction) - Remote control transmitter - Batteries - Power supply cord

MAIN FEATURE

Digital Zoom	Yes (x1~x4)
Video Wall	Yes (N x M, up to 5 x 5)
Power-on Screen Delay	Yes
Seam Hides Video Off Mode	Yes
1:1 Pixel mode	Yes
Automatic Picture Position	Yes
Screen Saver	Yes
Standby Save	Yes
PC Power Management	Yes
ECO	On/Off/Sensor
Input lock	Yes
Button lock	Yes
Remote-control User Level	Yes
Winter Mode	Yes
Failover input	Yes
Orientation	Landscape / Portrait

○ STANDARD (CERTIFICATIONS)

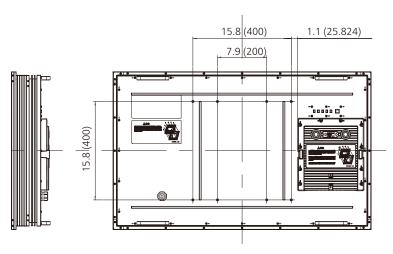
IP (Ingress Protection) Rating	IP66
SAFETY REGULATIONS	UL60950-1 Ed.2, -22,
	CAN/CSA-C22.2 NO. 60950-1-07,
	-22-07, NOM
RADIATION REGULATIONS	FCC Part 15 Class-B, ICES-003
Energy Star Displays 5.1	Yes

UPC Code

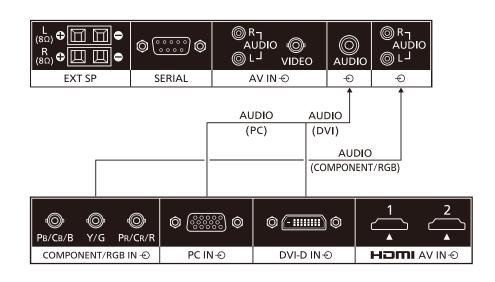
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O DIMENSIONS

20.6 (523) (EFRECTIVE DISPLAY AREA) (EFRECTIVE DISPLAY AREA) (EFRECTIVE DISPLAY AREA) (EFRECTIVE DISPLAY AREA) (25.8 (578) (25.3 (642) (6.3 (158) Cautions: This drawing is not a scale Units: inches (mm)



CONNECTION TERMINAL



APPLICABLE INPUT SIGNALS

	Signal name	Horizontal frequency (kHz)	Vertical frequency (kHz)	VIDEO SVIDEO	COMPONENT IN (Dotdock(MHz))	RGB IN (Dotdock(MHz))	PC IN (Dotdock(MHz))	DVI-D IN (Dotdock(MHz))	НБМІ1 НБМІ2
Signals	NTSC PAL	15.73 15.63	59.94 50.00	Y					
<u>i</u>	PAL 60	15.73	59.94	Y					
Sos	SECAM NTSC 4.43	15.63 15.73	50.00 59.94	Y					
Video	PAL M	15.73 15.63	59.94 50.00	Y					
_	525(480)/60i	15.73	59.94		Y (13.5)			Y (27.0)	Υ
	525(480)/60p 625(575)/50i	31.47 15.63	59.94 50.00		Y (27.0) Y (13.5)			Y (27.0)	Y
2	625(576)/50i	15.63	50.00		Y (27.0)			Y (27.0)	Y
Signal	625(575)/50p 625(576)/50p	31.25 31.25	50.00 50.00		<u> </u>			Y (27.0)	Y
		45.00 37.50	60.00 50.00		Y (74.25) Y (74.25)			Y (74.25) Y (74.25)	Y
l e	1125(1080)/60p	67.50	60.00		Y (148.5)*1			Y (148.5)	Υ
a	1125(1080)/60i 1125(1080)/50p	33.75 56.25	60.00 50.00		Y (74.25)*1 Y (148.5)*1			Y (74.25) Y (148.5)	Y
Component	1125(1080)/50i 1125(1080)/24sF	28.13 27.00	50.00 48.00		Y (74.25)*1 Y (74.25)*2			Y (74.25)	Y
-	1125(1080)/30p	33.75	30.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/25p 1125(1080)/24p	28.13 27.00	25.00 24.00		Y (74.25)*1 Y (74.25)*1			Y (74.25) Y (74.25)	Y
	640x400@70Hz 640x400@85Hz	31.46 37.86	70.07 85.08			Y (25.17) Y (31.5)	Y (25.17) Y (31.5)	Y (25.17) Y (31.5)	
	640x480@60Hz	31.43	59.88			Y (25.15)	Y (25.15)	Y (25.15)	
	640x480@60Hz 640x480@67Hz	31.47 35.00	59.94 66.67			Y (25.18) Y (30.24)	Y (25.18) Y (30.24)	Y (25.18) Y (30.24)	Y
	640x480@72Hz 640x480@75Hz	37.86 37.50	72.81 75.00			Y (31.5) Y (31.5)	Y (31.5) Y (31.5)	Y (31.5)	
	640x480@85Hz	43.27	85.01			Y (36.0)	Y (36.0)	Y (31.5) Y (36.0)	
	720x400@70Hz 800x600@55Hz	31.47 34.50	70.08 55.38			Y (28.32) Y (35.33)	Y (28.32) Y (35.33)	Y (28.32) Y (35.33)	
	800x600@56Hz 800x600@60Hz	35.16 37.88	56.25 60.32			Y (36.0) Y (40.0)	Y (36.0) Y (40.0)	Y (36.0) Y (40.0)	Υ
	800x600@60Hz	38.00	60.51			Y (40.13)	Y (40.13)	Y (40.13)	T
	800x600@72Hz 800x600@75Hz	48.08 46.88	72.19 75.00			Y (50.0) Y (49.5)	Y (50.0) Y (49.5)	Y (50.0) Y (49.5)	
	800x600@85Hz 852x480@60Hz	53.67 31.47	85.06 59.94			Y (56.25) Y (33.54)	Y (56.25) Y (33.54)	Y (56.25)	
	1024x768@50Hz	39.55	50.00			Y (51.89)	Y (51.89)	Y (34.24) Y (51.89)	
	1024x768@60Hz 1024x768@60Hz	48.36 48.50	60.00 60.02			Y (65.0) Y (64.99)	Y (65.0) Y (64.99)	Y (65.0) Y (65.18)	Y
	1024x768@70Hz 1024x768@75Hz	56.48 60.24	70.07 74.93			Y (75.0) Y (80.0)	Y (75.0) Y (80.0)	Y (75.0)	
	1024x768@75Hz	60.02	75.03			Y (78.75)	Y (78.75)	Y (80.0) Y (78.75)	
	1024x768@75Hz 1024x768@85Hz	61.01 68.68	75.70 85.00			Y (80.05) Y (94.5)	Y (80.05) Y (94.5)	Y (81.0) Y (94.5)	
als	1024x768@120Hz 1066x600@60Hz	97.55 37.64	119.99 59.94			Y (53.0)	Y (115.5) Y (53.0)	Y (115.5) Y (53.0)	
Signa		53.70	60.00			Y (81.62)	Y (81.62)	Y (81.62)	
٦ د	1152x864@75Hz 1152x900@65Hz	67.50 61.20	75.00 65.20			Y (108.0) Y (92.0)	Y (108.0) Y (92.0)	Y (108.0) Y (92.0)	
-	1152x900@66Hz 1152x900@75Hz	61.85 71.40	66.00 75.60			Y (94.5) Y (105.1)	Y (94.5) Y (105.1)	Y (94.5) Y (105.1)	
	1280x768@60Hz	47.78	59.87			Y (79.50)	Y (79.50)	Y (79.50)	
	1280x800@50Hz 1280x960@60Hz	41.20 60.00	50.00 60.00			Y (68.55) Y (108.0)	Y (68.55) Y (108.0)	Y (68.55) Y (108.0)	
	1280x960@85Hz 1280x1024@50Hz	85.94 52.70	85.00 50.00			Y (148.5) Y (89.38)	Y (148.5) Y (89.38)	Y (148.5) Y (89.38)	
	1280x1024@60Hz	63.34	59.98			Y (108.18)	Y (108.18)	Y (108.18)	
	1280x1024@60Hz 1280x1024@60Hz	63.90 63.37	60.00			Y (107.35) Y (107.5)	Y (107.35) Y (107.5)	Y (107.35) Y (107.5)	
	1280x1024@60Hz 1280x1024@60Hz	63.74 63.98	60.02 60.02			Y (108.1) Y (108.0)	Y (108.1) Y (108.0)	Y (108.1) Y (108.0)	Υ
	1280x1024@60Hz	63.79	60.18			Y (108.19)	Y (108.19)	Y (108.19)	'
	1280x1024@66Hz 1280x1024@75Hz	70.66 79.98	66.47 75.02			Y (119.84) Y (135.0)	Y (119.84) Y (135.0)	Y (119.84) Y (135.0)	
	1280x1024@76Hz 1280x1024@85Hz	81.13 91.15	76.11 85.02			Y (135.0)	Y (135.0) Y (157.5)	Y (135.0) Y (157.5)	
	1360x768@60Hz	47.71	60.02			Y (85.5)	Y (85.5)	Y (85.5)	
	1366x768@50Hz 1366x768@60Hz	39.55 48.36	50.00			Y (69.92) Y (86.71)	Y (69.92) Y (86.71)	Y (69.92) Y (87.44)	
	1400x1050@60Hz 1400x1050@60Hz	65.12 65.32	59.91 59.98			Y (121.38) Y (121.75)	Y (121.38) Y (121.75)	Y (122.43) Y (121.75)	
	1400x1050@60Hz	65.35	60.12			Y (121.81)	Y (121.81)	Y (121.85)	
	1400x1050@75Hz 1600x1200@60Hz	82.28 75.00	74.87 60.00			Y (156.0) Y (162.0)	Y (156.0) Y (162.0)	Y (156.0) Y (162.0)	
	1920x1080@60Hz 1920x1200@60Hz	67.50 74.04	60.00 59.95			Y (148.5)	Y (148.5)	Y (148.5)	
	Macintosh13"(640x480)	35.00	66.67			Y (30.24)	Y (154.0) Y (30.24)	Y (154.0) Y (30.24)	
	MacintoshLC13"(640x480) Macintosh16"(832x624)	34.97 49.72	66.60 74.55			Y (31.33) Y (57.28)	Y (31.33) Y (57.28)	Y (31.33) Y (57.28)	
	Macintosh19"(1024x768)	60.24	75.08			Y (80.0)	Y (80.0)	Y (80.0)	
1	Macintosh21"(1152x870) Macintosh II (1280x1024)	68.68 80.00	75.06 75.00			Y (100.0) Y (134.4)	Y (100.0) Y (134.4)	Y (100.0) Y (135.2)	

^{*1:}Based on SMPTE 274M standard. *2:Based on SMPTE RP211 standard.